

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P599453

Luminaire Tested: **IFLD-L-SA8A-730-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599453
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8A-730-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

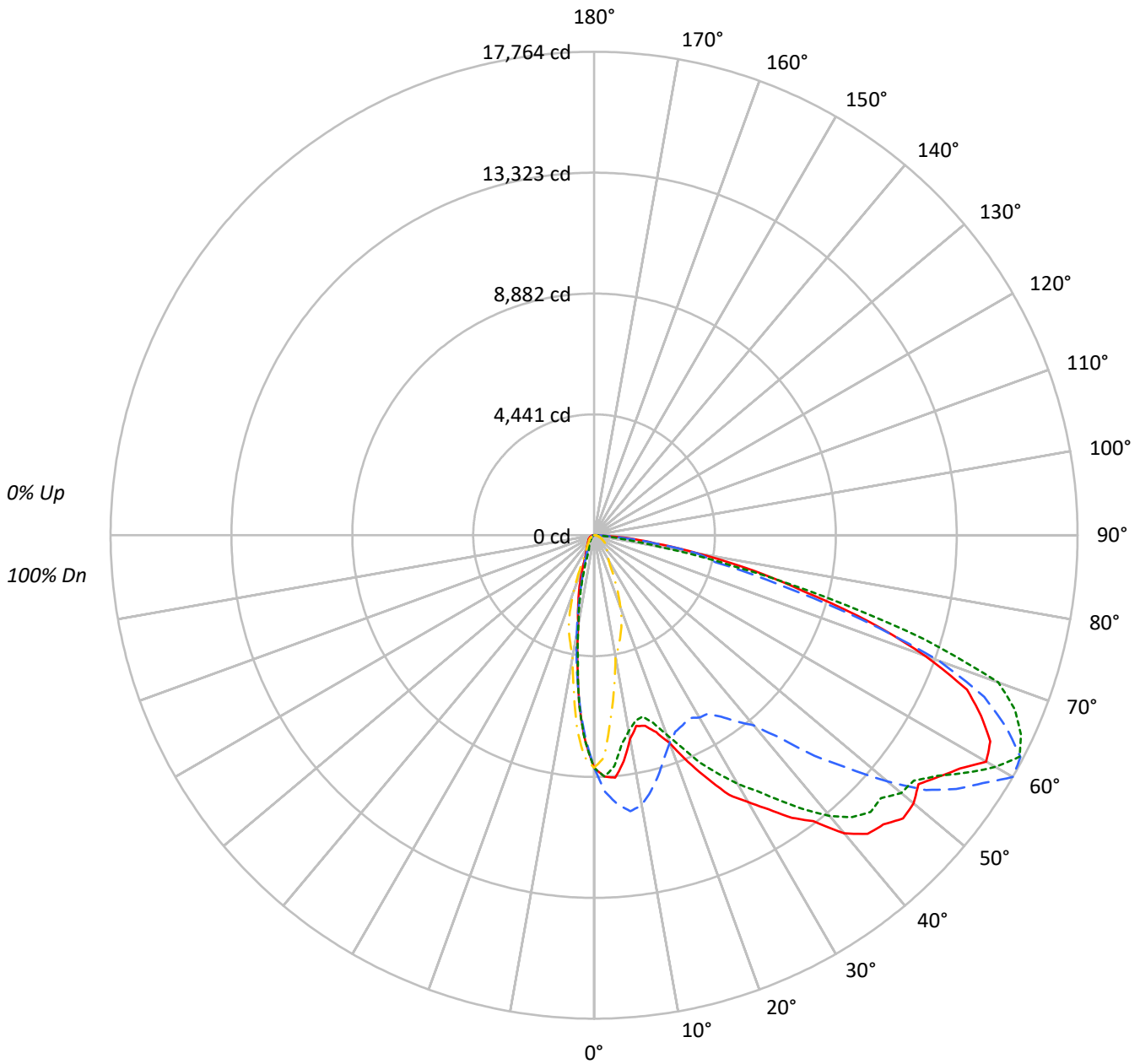
Lumens per Lamp: N/A
 Luminaire Lumens: 22719.6 lumens
 Efficiency: N/A
 Efficacy: 91.7 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 247.8
 Input Voltage (V): 120
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	45975	45975	45975	45975
5°	48314	45987	33597	33793
10°	41545	39953	18369	17938
15°	40396	38402	11933	8992
20°	46563	44617	6393	3197
25°	58546	54763	4143	2486
30°	70318	65530	3356	2036
35°	83271	78128	2750	1634
40°	100467	94585	2429	1236
45°	114382	109396	2263	831
50°	128317	123339	2236	508
55°	145110	144597	2220	228
60°	179067	183312	2025	66
65°	199801	220354	1854	0
70°	203733	248699	1718	0
75°	165774	183437	1641	0
80°	120534	76721	1692	0
85°	77924	32222	2248	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.0	2.9
10°-20°	1272.6	5.6
20°-30°	1761.1	7.8
30°-40°	2488.8	11.0
40°-50°	3388.6	14.9
50°-60°	4488.0	19.8
60°-70°	5210.9	22.9
70°-80°	2950.9	13.0
80°-90°	509.9	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3682.6	16.2
0°-40°	6171.4	27.2
0°-60°	14048.0	61.8
0°-90°	22719.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22719.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8542	8542	8542	8542	8542	
5°	8943	8512	6219	6255	8943	803
15°	7250	6892	2142	1614	7250	2127
25°	9859	9222	698	419	9859	4598
35°	12674	11891	419	249	12674	7990
45°	15028	14373	297	109	15028	11651
55°	15465	15410	237	24	15465	14011
65°	15689	17303	146	0	15689	15294
75°	7972	8822	79	0	7972	8701
85°	1262	522	36	0	1262	1516
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4
2.5°	8876.1	9064.2	9070.3	9155.2	9240.1	9240.1	9440.3	9391.8	9215.9	9185.5	9058.1
5°	8942.8	9009.6	9058.1	9488.9	9852.9	9816.5	9925.7	9852.9	9513.2	9076.3	8779.0
7.5°	8366.5	8439.3	8633.4	9367.5	9859.0	10022.8	10229.1	9774.0	9416.1	8627.4	8057.1
10°	7602.0	7741.6	8099.5	8936.8	9543.5	10065.3	10065.3	9701.2	9009.6	8239.1	7541.4
12.5°	7177.3	7456.4	7650.6	8500.0	9288.7	9646.6	9634.5	9440.3	8991.4	8020.7	7231.9
15°	7250.1	7329.0	7741.6	8402.9	8924.6	8906.4	9124.9	9064.2	8748.7	8214.8	7347.2
17.5°	7583.8	7705.2	8063.1	8402.9	8651.6	8578.8	8572.8	8864.0	8882.2	8542.4	7778.0
20°	8129.9	8487.8	8657.7	8760.8	8457.5	8148.1	8111.7	8518.2	8833.6	8961.0	8293.7
22.5°	9003.5	9240.1	9586.0	9058.1	8269.4	7881.1	7808.3	8257.3	8894.3	9458.5	8961.0
25°	9859.0	10041.0	10374.7	9695.2	8481.8	7826.5	7699.1	8087.4	9124.9	10150.2	9768.0
27.5°	10763.0	10920.7	10957.1	10162.3	8597.0	7717.3	7565.6	8087.4	9319.0	10514.2	10732.6
30°	11315.1	11503.1	11539.5	10574.9	8785.1	7808.3	7735.5	8123.8	9452.5	10823.6	11424.3
32.5°	11933.9	11982.4	11952.1	10647.7	8991.4	8075.3	7771.9	8366.5	9604.2	11193.7	12055.2
35°	12674.1	12759.0	12449.6	10981.4	9452.5	8245.1	8135.9	8663.8	9865.0	11363.6	12819.7
37.5°	13238.3	13505.3	12807.6	11108.8	9543.5	8603.1	8621.3	9282.6	10047.1	11569.9	13663.0
40°	14300.1	13851.1	13414.3	11545.6	9889.3	9209.8	9112.7	9919.6	10659.8	11703.4	14215.1
42.5°	14882.5	14645.9	13650.9	11588.1	10423.2	10047.1	10071.3	10641.6	10981.4	12079.5	14366.8
45°	15028.1	14779.4	13972.4	11618.4	10951.0	11036.0	11454.6	11563.8	11454.6	12328.3	14652.0
47.5°	15398.2	14858.2	13936.0	12024.9	11806.5	12134.1	12668.0	12904.6	12097.7	12237.3	14785.4
50°	15325.4	15016.0	13857.2	12194.8	12850.0	13717.6	14075.6	13978.5	12813.6	12049.2	14639.8
52.5°	15022.0	14688.4	14099.8	12655.9	13826.8	14876.4	15373.9	15131.2	13450.7	12473.9	14542.7
55°	15464.9	15210.1	14415.3	13280.8	14560.9	15895.7	16247.6	16065.6	14233.3	12868.2	15094.8
57.5°	15944.2	15889.6	15270.8	14014.9	15428.5	16945.3	16945.3	16720.8	14912.8	13438.5	15913.9
60°	16635.9	16757.2	15901.8	14500.3	15725.8	16884.6	17764.4	17503.5	15598.4	14439.6	16842.2
62.5°	16411.4	16799.7	16714.8	15543.8	16065.6	17181.9	17661.2	17855.4	16447.8	15659.1	18079.8
65°	15689.4	16102.0	16708.7	16229.4	15810.8	16459.9	16702.6	17291.1	16872.5	16805.8	18589.5
67.5°	14827.9	15276.9	15653.0	16690.5	15295.1	15725.8	15513.5	15701.6	16411.4	18061.6	18880.7
70°	12947.1	13377.9	13972.4	15665.1	13930.0	13541.7	13487.1	13396.1	14500.3	17612.7	17558.1
72.5°	10647.7	10847.9	11830.8	12734.8	10307.9	10235.1	10320.1	10216.9	11497.1	15944.2	15040.2
75°	7972.1	8172.3	8730.5	9780.1	7019.6	6601.0	7086.3	7565.6	8779.0	12376.8	10805.4
77.5°	5994.3	6249.1	6601.0	7316.9	5150.9	4495.7	4562.4	5017.5	6346.1	9913.6	6054.9
80°	3889.0	3858.7	4538.2	5035.7	3876.9	3998.2	3828.3	4162.0	4598.8	5302.6	3094.2
82.5°	2244.8	2275.1	2560.3	2887.9	2699.8	3088.1	2226.6	3719.1	3282.3	2159.9	1152.7
85°	1261.9	1316.6	1577.4	2002.1	1692.7	1134.5	928.3	1844.4	2062.8	885.8	558.2
87.5°	127.4	109.2	212.3	758.4	461.1	188.1	279.1	442.9	497.5	333.7	163.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4
2.5°	8876.1	8876.1	8724.4	8469.6	8366.5	8184.5	7935.7	8014.6	7929.6	7620.2	7541.4
5°	8512.1	8220.9	7905.4	7517.1	7292.6	6831.5	6685.9	6425.0	6467.5	6206.6	6218.7
7.5°	7753.7	7523.2	6989.3	6479.6	6036.7	5636.3	5072.1	4859.7	4653.4	4550.3	4671.6
10°	7310.8	6880.0	6152.0	5484.6	4896.1	4538.2	4162.0	3870.8	3603.8	3403.6	3361.2
12.5°	6989.3	6607.0	5727.3	4914.3	4453.2	4162.0	3816.2	3415.8	3154.9	2809.0	2705.9
15°	6892.2	6425.0	5496.8	4689.8	4240.9	3761.6	3367.2	2972.9	2633.1	2269.1	2141.7
17.5°	7225.9	6685.9	5490.7	4507.8	3876.9	3361.2	2815.1	2372.2	2026.4	1692.7	1613.8
20°	7790.1	6965.0	5666.6	4398.6	3531.0	2839.4	2220.5	1777.6	1389.4	1170.9	1116.3
22.5°	8433.2	7438.2	5684.8	4107.4	3185.2	2317.6	1619.9	1170.9	952.5	849.4	819.1
25°	9221.9	8196.6	5903.2	3870.8	2778.7	1759.4	1152.7	897.9	770.5	709.8	697.7
27.5°	9871.1	8724.4	6139.9	3622.0	2378.3	1304.4	904.0	734.1	667.4	606.7	600.6
30°	10544.6	9331.1	6206.6	3470.4	2032.5	1073.9	776.6	649.2	576.4	546.0	540.0
32.5°	11133.1	9992.4	6418.9	3221.6	1704.8	946.5	703.8	582.4	533.9	485.4	479.3
35°	11891.4	10374.7	6522.1	3088.1	1583.5	855.5	643.1	533.9	461.1	430.8	418.6
37.5°	12704.4	10744.8	6588.8	2985.0	1480.4	800.9	606.7	503.6	436.8	394.4	382.2
40°	13462.8	11266.5	6491.8	2857.6	1401.5	734.1	582.4	467.2	406.5	364.0	345.8
42.5°	14045.2	11776.2	6461.4	2736.2	1316.6	709.8	552.1	449.0	382.2	333.7	327.6
45°	14372.9	12122.0	6249.1	2639.2	1249.8	722.0	540.0	424.7	364.0	321.6	297.3
47.5°	14294.0	12388.9	6303.7	2608.8	1158.8	673.4	533.9	406.5	333.7	297.3	279.1
50°	14730.8	12928.9	6212.7	2511.8	1092.1	606.7	582.4	406.5	327.6	285.2	267.0
52.5°	14803.6	13420.3	6406.8	2335.8	988.9	558.2	576.4	400.4	315.5	273.0	248.7
55°	15410.3	13990.6	6783.0	2238.7	904.0	485.4	527.8	388.3	285.2	248.7	236.6
57.5°	16235.5	15173.7	7025.7	2147.7	788.7	424.7	442.9	382.2	260.9	230.5	212.3
60°	17030.2	15646.9	7043.9	1983.9	679.5	382.2	345.8	382.2	242.7	206.3	188.1
62.5°	17624.8	15646.9	6922.5	1844.4	594.6	339.8	303.4	364.0	218.4	182.0	169.9
65°	17303.3	15228.3	6607.0	1729.1	540.0	297.3	260.9	279.1	194.1	157.7	145.6
67.5°	16726.9	13923.9	5909.3	1589.6	533.9	260.9	224.5	206.3	169.9	139.5	127.4
70°	15804.7	12164.5	4920.4	1431.8	521.8	236.6	200.2	175.9	151.7	121.3	109.2
72.5°	12734.8	10047.1	4040.7	1340.8	509.6	206.3	169.9	151.7	127.4	103.1	91.0
75°	8821.5	6418.9	3112.4	1146.7	497.5	188.1	157.7	133.5	109.2	84.9	78.9
77.5°	5290.5	4289.4	2008.2	861.5	327.6	151.7	133.5	103.1	91.0	72.8	66.7
80°	2475.4	2026.4	813.0	333.7	157.7	109.2	91.0	78.9	72.8	60.7	54.6
82.5°	970.7	855.5	394.4	194.1	127.4	84.9	72.8	66.7	60.7	48.5	42.5
85°	521.8	461.1	188.1	133.5	91.0	60.7	60.7	54.6	48.5	42.5	36.4
87.5°	115.3	84.9	78.9	78.9	66.7	48.5	48.5	42.5	36.4	30.3	24.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4
2.5°	7498.9	7589.9	7444.3	7535.3	7407.9	7505.0	7517.1	7426.1	7450.3	7571.7	7626.3
5°	6388.6	6327.9	6194.5	6152.0	6158.1	6079.2	6109.5	6152.0	6218.7	6255.1	6364.3
7.5°	4604.9	4744.4	4738.4	4841.5	4847.6	4835.4	4750.5	4568.5	4629.2	4580.6	4641.3
10°	3294.4	3355.1	3470.4	3537.1	3658.4	3591.7	3397.6	3324.7	3288.3	3282.3	3343.0
12.5°	2633.1	2487.5	2475.4	2499.6	2560.3	2481.4	2384.4	2299.4	2341.9	2426.8	2493.6
15°	2038.5	1917.2	1759.4	1735.2	1747.3	1710.9	1607.8	1498.6	1528.9	1613.8	1662.4
17.5°	1565.3	1425.8	1316.6	1243.7	1219.5	1092.1	940.4	849.4	825.1	819.1	861.5
20°	1055.7	1031.4	1013.2	922.2	922.2	740.2	612.8	546.0	546.0	558.2	564.2
22.5°	788.7	758.4	764.4	746.2	697.7	552.1	485.4	467.2	467.2	479.3	479.3
25°	685.6	643.1	631.0	624.9	576.4	473.2	424.7	406.5	406.5	418.6	418.6
27.5°	582.4	570.3	552.1	527.8	485.4	406.5	376.2	358.0	364.0	370.1	364.0
30°	533.9	503.6	479.3	479.3	430.8	364.0	339.8	327.6	315.5	327.6	333.7
32.5°	473.2	455.0	442.9	424.7	370.1	321.6	297.3	285.2	279.1	279.1	285.2
35°	406.5	406.5	394.4	370.1	321.6	291.2	260.9	248.7	242.7	248.7	248.7
37.5°	364.0	345.8	351.9	327.6	285.2	254.8	224.5	212.3	212.3	206.3	212.3
40°	339.8	309.4	291.2	279.1	254.8	218.4	194.1	182.0	175.9	175.9	175.9
42.5°	303.4	279.1	242.7	236.6	230.5	188.1	157.7	151.7	145.6	139.5	139.5
45°	285.2	248.7	218.4	188.1	188.1	157.7	133.5	121.3	115.3	109.2	115.3
47.5°	260.9	224.5	188.1	157.7	151.7	127.4	103.1	91.0	84.9	84.9	84.9
50°	248.7	200.2	163.8	133.5	115.3	103.1	78.9	66.7	60.7	60.7	60.7
52.5°	230.5	188.1	145.6	115.3	91.0	78.9	60.7	48.5	42.5	42.5	42.5
55°	206.3	169.9	127.4	97.1	78.9	60.7	42.5	30.3	24.3	24.3	24.3
57.5°	194.1	151.7	109.2	84.9	60.7	42.5	24.3	18.2	18.2	12.1	18.2
60°	175.9	133.5	91.0	66.7	48.5	30.3	18.2	6.1	6.1	6.1	6.1
62.5°	151.7	115.3	78.9	54.6	36.4	18.2	6.1	0.0	0.0	0.0	0.0
65°	127.4	91.0	60.7	42.5	24.3	6.1	0.0	0.0	0.0	0.0	0.0
67.5°	109.2	78.9	48.5	30.3	18.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	97.1	66.7	36.4	24.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	78.9	54.6	30.3	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	66.7	42.5	18.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	54.6	30.3	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.5	24.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	36.4	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P599453
 CATALOG NUMBER: IFLD-L-SA8A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4	8542.4
2.5°	7705.2	7668.8	7850.8	8148.1	8299.7	8597.0	8669.8	8857.9	8809.4	8876.1
5°	6376.5	6449.3	6716.2	7153.1	7310.8	7741.6	8148.1	8554.6	8815.4	8942.8
7.5°	4732.3	4975.0	5302.6	5703.0	6109.5	6673.8	7365.4	7838.6	8093.5	8366.5
10°	3525.0	3785.8	4162.0	4556.4	5217.7	5848.6	6540.3	7128.8	7347.2	7602.0
12.5°	2772.6	3179.1	3616.0	4040.7	4435.0	5035.7	5891.1	6746.6	6983.2	7177.3
15°	1929.3	2426.8	3051.7	3603.8	4155.9	4677.7	5563.5	6601.0	6922.5	7250.1
17.5°	1067.8	1462.2	2178.1	2954.7	3767.6	4568.5	5672.7	6867.9	7353.3	7583.8
20°	618.8	776.6	1286.2	2208.4	3282.3	4331.9	5727.3	7371.5	8014.6	8129.9
22.5°	509.6	564.2	728.0	1383.3	2687.7	4180.2	6006.4	8075.3	8730.5	9003.5
25°	436.8	479.3	564.2	831.2	2032.5	3858.7	6182.3	8955.0	9561.7	9859.0
27.5°	388.3	430.8	497.5	612.8	1383.3	3415.8	6473.6	9749.8	10356.5	10763.0
30°	339.8	376.2	442.9	521.8	958.6	2918.3	6722.3	10332.2	11187.7	11315.1
32.5°	303.4	333.7	382.2	449.0	709.8	2214.5	6922.5	10932.8	11654.8	11933.9
35°	260.9	297.3	327.6	382.2	540.0	1668.4	6801.2	11400.0	12340.4	12674.1
37.5°	230.5	254.8	285.2	321.6	455.0	1304.4	6552.4	11958.2	12928.9	13238.3
40°	194.1	212.3	248.7	285.2	412.6	1007.1	6267.3	12631.6	13754.0	14300.1
42.5°	163.8	182.0	206.3	267.0	339.8	746.2	5690.9	13153.4	14421.4	14882.5
45°	127.4	151.7	188.1	267.0	273.0	552.1	5096.3	13541.7	14797.6	15028.1
47.5°	97.1	121.3	182.0	230.5	218.4	382.2	4392.6	13984.6	15185.9	15398.2
50°	72.8	97.1	206.3	200.2	182.0	291.2	3949.7	14294.0	15210.1	15325.4
52.5°	48.5	72.8	169.9	151.7	151.7	254.8	3828.3	14281.9	15270.8	15022.0
55°	36.4	54.6	97.1	109.2	133.5	224.5	3719.1	14736.9	15289.0	15464.9
57.5°	24.3	42.5	66.7	84.9	115.3	194.1	3494.6	15282.9	15853.2	15944.2
60°	12.1	30.3	48.5	66.7	97.1	169.9	3179.1	15683.4	16538.8	16635.9
62.5°	6.1	18.2	36.4	54.6	78.9	133.5	2851.5	15046.3	16241.5	16411.4
65°	0.0	12.1	24.3	36.4	48.5	97.1	2317.6	13584.1	15064.5	15689.4
67.5°	0.0	0.0	12.1	24.3	30.3	72.8	1747.3	12358.6	13978.5	14827.9
70°	0.0	0.0	6.1	6.1	18.2	54.6	1116.3	10235.1	12479.9	12947.1
72.5°	0.0	0.0	0.0	0.0	6.1	36.4	649.2	7602.0	9780.1	10647.7
75°	0.0	0.0	0.0	0.0	0.0	30.3	327.6	4890.1	6807.2	7972.1
77.5°	0.0	0.0	0.0	0.0	0.0	24.3	175.9	3154.9	5017.5	5994.3
80°	0.0	0.0	0.0	0.0	0.0	6.1	103.1	1832.3	3209.5	3889.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	42.5	897.9	1917.2	2244.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	12.1	479.3	958.6	1261.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	66.7	127.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)